



Arumberia and other microbial mats from the Neoproterozoic-Cambrian strata of East Siberia.

Olga K. Bogolepova, Alexander P. Gubanov, James P. Howard, and Marcela Gómez-Pérez
CASP, West Building, 181 a Huntingdon Road, Cambridge University, Cambridge, CB3 0DH, UK
(olga.bogolepova@casp.cam.ac.uk)

We present and describe several forms of organosedimentary structures observed in Neoproterozoic and Cambrian sandstones exposed on the Irkineeva Uplift of East Siberia. One of the structures belongs to the problematic fossil *Arumberia* Glaessner and Walter. The *Arumberia*-bearing sandstones were deposited in a tidal influenced shallow water environment and belong to the Ostrov Formation. On the basis of world- wide occurrence of *Arumberia*, an Ediacaran age is suggested for the Ostrov Formation sandstones.